Bridge Inspection															
Bridge File Number	mber 80965 -1 Bridge				J		Form Type		SG						
Year Built/Year	1992/1992						Lot No. 2		2						
Supstr								Inspector Name		Wade Nanninga					
Bridge or Town Name								Inspector Class		BR CLS A					
Located Over	16:14 L1 27.424;16:14 R1 27.41				13			Assistant Name							
Located On				).225				Assistant Class							
Water Body Cl./Year							Inspection Date		18-Jan-2013						
Navigabil. Cl./Year								Data Entry By			Theresa Lacusta				
Legal Land Location NW SEC 8 TWP 53 RGE 26 W4				26 W4M	<u> </u>		Data Entry Date			21-Jan-2013					
Longitude, Latitude -113:48:31, 53:34:11							Reviewer Name			Eric Carcoux					
Road Authority Alberta Transportation (AIT)			Γ)	Review Date				20-Jan-2013							
Contract Main. Area	CMA						Dep	t. Revie	wer N	ame	Brent Herric	k			
Clear Roadway/Skew		/ -21 deg. (Lh	HF)				Dep	t. Revie	w Dat	е	22-Jan-2013	3			
AADT/Year	1	0 / 2011 (A)					Follo	ow-Up E	Ву						
Road Classification	1	-209-110					-								
Detour Length (km)	10	004.00		0:		00.40		-	<b>-</b>		0.00		0 - 0 - 11 -	-1 0	
Allowable Load (t): Sin	ngie	CS1 28		Semi		S2 49			Train	CS	3 62	3 62> On Critical S			าร
Design Loading:		CS750											> Primary S	Span	
					Р	osting l	nforn	nation							
Required Vert. Cleara	nce Po	osting (m)	UNDER	R: 16 L1	5.4	m, 16 R	1 5.4r	m							
Posted Vertical Cleara	nce (\	Y/N)	Yes												
Posted: Lane EB	C	n Bridge (m)	5.3 I	In Advar	nce	(Y/N)	Yes	Lane	WB	0	n Bridge (m)	5.9	In Advance	(Y/N)	Yes
Remarks Chan	ige WI	3 vertical clea	rance si	gn to me	eet '	"Require	ed VC	Posting	<b>]</b> ".						
Required Load Posting	g (t)		Single				Semi			Truck Train					
Posted Loading (t)			Single				Semi			Truck Train					
Posted: Lane	N	IB	At Junc	tion (Y/I	N)	No		In Adva	nce (\	//N)	No	At Br	ridge (Y/N)	No	
Posted: Lane	S	В	At Junction (Y		N)	No		In Adva	nce (\	//N)	No	At Br	ridge (Y/N)	No	
Remarks Not re	equire	d.													
Hazard Marker At Brid	Hazard Marker At Bridge (Y/N) No														
Remarks		Not req	uired.												
Other Sign Types		Informa	tion.												
					Ut	tilities (l	Locat	ed at)							
	POWE	R UTILITIES-	POWER	LINE											
Telephone							Gas								
Power								nicipal							
		s on parapets						olem (Y/	(N)   N	No_					
Remarks Stree	t lights	s on parapets	are not	grouted	at b										
				ı	.ast	Approa Now	_	oad Ianatio	o of C	ond:	tion				
Horizontal Alignment					.ast 7	7	<del></del>					urve c	on south end -	on/off	ramne
Vertical Alignment					7	7	- W	Johning C	J. V. C	110	iai ond and t	.a. v	or ocalii Gila -	511/011	. a. npo.
Roadway Width (m)		19.400													
Approach Bump		13.700			6	4	Pot	holes @	N ap	proad	ch				
Guardrail (Y/N)		Yes				Т Т	Not	thrie he	am tra	nsitio	on. Radius at	COrne	rs to accomm	odate d	n/off
Guardrail				7	7	acce		J. 11 11 C		radido di	201110	.5 15 455511111	Judio (	, 511	
Length (m) 57.000															
Current Standard (Y/N) No															
Termination Type	,	Turned	Down												
Drainage					4	4	No o	concrete to06-0	drain	trou(	ghs @ SE/SV	V, ero	sion void @ co	orners ·	-
Approach Road Gene	eral R	ating			7	7									

			9	Supers	tructure
Bridge Component					Explanation of Condition
(Primary Span : WG, 2 Spans, L	engths(	m): 42-42, A-I			·
Special Features		•			,
Special Feature				X	
(Type:)					
Special Feature				X	
(Type:)					
Wearing Surface/Deck Top Deta	I Rating				
N (%) 1 (%		2 (%)	3 (%)		
Last	,	2 (70)	0 (70)		
	0.0	0.0	0	0.0	
Wearing Surface			6	6	Map cracking in SBL.
(Material Type : ACP - CONVE	NTION	AL CHIP SEAL			IMAP GRADNING III OBE.
(Thickness(mm) : <b>50</b> )		C OIIII OLIA	_ 00/()	<i>,</i>	
			N	N	
Deck Top			IN	N	
Deck Rideability			8	8	
Deck Joints			4	3	Perpendicular cracks to joints on paving lip at abutments. North joints
Temperature (deg. C)	7				missing 1 plow deflectors - photo. Old water stains and corrosion of
(Expansion Type : GLAND (W.		UER. TRANS	FLEX	ETC))	girders at SE corner and North end of G3 due to leaking joints .
(Fixed Type : )		,	,	,	Both joints leaking onto abut. seats.
Gap Size (mm)	Gan I	ocation			
Gap Size (mm) Gap Location  65 S. abut					
70					-
N. abut					
					-
					-
Dock Proinage			0	0	
Deck Drainage	No		8	8	
Drains Clogged (Y/N)	No		_		T : 1 :: 1 :: 1 :: 1 :: 1 :: 1 :: 1 ::
Curbs/Median			5	5	Typical vertical hairline shrinkage cracks @ 400 o/c on curbs and median. South end of median settled.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)	2				
Bridge Rail			9	8	
(Type : GALVANIZED STEEL	BRIDGE	TUBE)			
Bridge Rail Posts			9	8	Dirty.
(Type : GALVANIZED POST S STEEL)	STEEL;G	ALVANIZED	POST		
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk				Х	
Girder/Beam					
Cover Plate			Х	Х	
Flange			9	9	
Web			9	9	1
Stiffeners			9	9	1
Splice			9	9	
Weld				9	1
Diaphragms/Cross Frame			9	9	
p					

Bridge Component	Superstructure								
Primary Spans   WG, 2 Spans, Lengths(m): 42-42, At-Joent Number: A1194-01)   Paint Condition	Bridge Component								
Paint Condition									
exterior girder ends at bearing & at leaking joints.    Colour Code :		, , , , , , , , , , , , , , , , , , ,							
Touchup Required (Y/N)					exterior girder ends at bearing & at leaking joints.				
Touchup Required (Y/N)	(Colour Code : )								
Bearings	Touchup Required (Y/N)	No							
Temperature (deg. C)   7   (Excension Type: REINPORCED NEOPRENE BEARING WITH-IFER ON AND STAINLESS STEEL)			8	8	Pier bearings inspected from headslopes.				
Expansion Type: REINFORCED NEOPRENE BEARING WITH FEFLON AND STAINLESS STEEL)   Fived Type: REINFORCED NEOPRENE BEARING WITH FEFLON AND STAINLESS STEEL)   Coating Adequate (Y/N)		7							
Test	(Expansion Type : REINFORC	ED NEOPRENE BEAF EEL)	RING W	VITH					
Coating Adequate (Y/N) Yes Functioning (YN) Yes Deack Underside 6 6 6 Stains (Percent Area) 1 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 6 Bridge Component Last Now Bridge Component Last Now Substructure Bridge Component Last Now Substructure Bridge Component Last Now Finding Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls 6 6 6 Vertical cracks scaling, typical both abutments.  Wingwalls 7 6 Piles N N N Paint/Coating 5 5 Coating peeling.  Abutment Stability 8 8 8 Scour/Erosion X X Piers/Bents (Type : CONCRETE) For Shaft/Piles 7 7 7 Fracing/Struts/Sheathing X X X Nose Plate X X X Paint/Coating 5 5 Map cracking. Cap seal. (Colour Description : ) (Colour Code : ) Pier Stability 9 9 9 Scour X X X	(Fixed Type : REINFORCED N TEFLON AND STAINLESS ST	EOPRENE BEARING	WITH						
Deck Underside		<u>,                                      </u>							
East. Transverse cracking under curb cantilever.		Yes							
East. Transverse cracking under curb cantilever.	Deck Underside		6	6	Transverse hairline cracking with efflorescence mainly 3rd bay from				
Span Alignment Problems	Stains (Percent Area)	1			East. Transverse cracking under curb cantilever.				
Vertical (Y/N)	<del></del>								
Horizontal (Y/N)		No							
Substructure   Substructure									
Substructure			6	6					
Description   Last   Now   Explanation of Condition	Cuperon dotter Control Number								
Abutments   Bearing Seats/Caps   6   6   Vertical cracks scaling, typical both abutments.		I							
Bearing Seats/Caps   6	-		Last	Now	Explanation of Condition				
Colour Description : )			1	1					
Backwalls/Breastwalls			6	6	Vertical cracks scaling, typical both abutments.				
Wingwalls				1					
Piles N N N  Paint/Coating 5 5 Coating peeling.  Abutment Stability 8 8 8  Scour/Erosion X X  Piers/Bents (Type : PIER-COLUMN) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 0) Pier Shaft/Piles 7 7  Bracing/Struts/Sheathing X X  Nose Plate X X  Paint/Coating 5 5 Map cracking. Cap seal. (Colour Description :) (Colour Code :) Pier Stability 9 9  Scour X X	Backwalls/Breastwalls			6	Vertical cracks with efflorescence both backwalls.				
Paint/Coating   5	Wingwalls			6					
Abutment Stability	Piles			N					
Scour/Erosion	Paint/Coating			5	Coating peeling.				
Piers/Bents (Type: PIER-COLUMN)  Bearing Seats/Caps 7 7 (Type: CONCRETE) (Total Number of Bearing Piles: 0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X  Nose Plate X X X  Paint/Coating (Colour Description:) (Colour Code:) Pier Stability 9 9 Scour X X X	Abutment Stability		8	8					
(Type : PIER-COLUMN)       Map cracking -narrow.         Bearing Seats/Caps       7       7         (Type : CONCRETE)       (Total Number of Bearing Piles : 0)       7       7         Pier Shaft/Piles       7       7       7         Bracing/Struts/Sheathing       X       X         Nose Plate       X       X         Paint/Coating       5       5       Map cracking. Cap seal. Grey.         (Colour Description :)       Grey.         (Colour Code :)       9       9         Pier Stability       9       9         Scour       X       X	Scour/Erosion		Х	Х					
Bearing Seats/Caps   7   7	Piers/Bents								
(Type : CONCRETE)  (Total Number of Bearing Piles : 0)  Pier Shaft/Piles 7 7  Bracing/Struts/Sheathing X X X  Nose Plate X X  Paint/Coating 5 5 Map cracking. Cap seal.  (Colour Description : )  (Colour Code : )  Pier Stability 9 9  Scour X X	(Type : PIER-COLUMN)				Map cracking -narrow.				
(Total Number of Bearing Piles : 0)  Pier Shaft/Piles 7 7  Bracing/Struts/Sheathing X X X  Nose Plate X X X  Paint/Coating 5 5 Map cracking. Cap seal. Grey.  (Colour Description : ) (Colour Code : )  Pier Stability 9 9  Scour X X	Bearing Seats/Caps		7	7					
Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 5 5 Map cracking. Cap seal. (Colour Description:) (Colour Code:) Pier Stability 9 9 Scour X X	(Type : CONCRETE)								
Bracing/Struts/Sheathing X X  Nose Plate X X  Paint/Coating 5 5 Map cracking. Cap seal.  (Colour Description:)  (Colour Code:)  Pier Stability 9 9  Scour X X	(Total Number of Bearing Piles :	0)							
Nose Plate  X X  Paint/Coating 5 5 Map cracking. Cap seal. Grey.  (Colour Description:) (Colour Code:)  Pier Stability 9 9  Scour X X			7	7					
Paint/Coating 5 5 Map cracking. Cap seal.  (Colour Description:)  (Colour Code:)  Pier Stability 9 9  Scour X X	Bracing/Struts/Sheathing		Х	X					
(Colour Description:) (Colour Code:)  Pier Stability  9 9  Scour  X X	Nose Plate			Х					
(Colour Description:) (Colour Code:)  Pier Stability  9 9  Scour  X X	Paint/Coating			5	Map cracking. Cap seal.				
(Colour Code : ) Pier Stability 9 9 Scour X X				1					
Pier Stability 9 9 Scour X X									
				9					
Debris (Y/N) No	Scour		Х	Х					
	Debris (Y/N)	No							

Substructure									
Bridge Component			Now	Explanation of Condition					
Substructure General Rating			6						
			truotuu	re Usage					
			Now	Explanation of Condition					
Grade Separation	<u> </u>	Lasi	INOW	Explanation of Condition					
Road Alignment		9	9						
Traffic Safety Features		9	9	In median only.					
Type	Type Guardrail								
Slope Protection		5	6	South concrete down 60 & out 20. North concrete down 60 & out 25					
(Type : CONCRETE; CONCRE	ETE)			Mud jacking repairs.					
Bank Stability		5	6						
Drainage			4	Water ponding @ toe of North slope - photo.					
Grade Separation General Rating			4						

			Maintenance Recommer	ndations					
Inspector Recommendations	Year	Inspect	or Comments	Department Co	mments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
RETROFIT BRIDGE RAIL									
SEAL CURBS	2013								
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS	2013	Joints le	eaking.						
RESET/ PAINT BEARINGS			*						
REPAINT SUPERSTRUCTURE									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSION	2013	Fill sma	Il erosion @ SW & SE corners of fill, if e.	f					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION									
OTHER ACTION	2013	Improve	e drainage along North slope protectio	n.					
OTHER ACTION	2013	Replace joints (1	e sheared off plow deflector in abutme	nt					
OTHER ACTION	2013	conside	erosion void @ SW & SE corners, r construct concrete down drain @ SE f not done.	≣					
OTHER ACTION	2013		ot holes @ N approach.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	66.7/66	5.7	Sufficiency Rating (Last/Now) (%)	53.8/53.8	Est. Repl. Yr	2053	Maint. Re	qd. (Y/N)	Yes
Special Monitor accelerated scali Comments for Next Inspection	ng on stee	el girders.		Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									

Proposed Action			
Previous Inspector's Name	Shane Hall	Previous Assistant's Name	
Next Inspection Date	18-Oct-2014	Previous Inspection Date	06-Oct-2010
Inspection Cycle (Default) (months)	21		
Comment			